INTERNATIONAL SEARCH REPORT

Inte onal Application No PCT/US2004/031155

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01R13/24 H01F H01R12/22 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01R Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 6 302 703 B1 (ALTON LEONARD HARRY AL) 16 October 2001 (2001-10-16) figure 1 X US 6 315 576 B1 (NEIDICH DOUGLAS A) 1-3,7,813 November 2001 (2001-11-13) 4-6,9-13 figures 13-21 X US 6 077 089 A (BISHOP PETER G ET AL) 1 20 June 2000 (2000-06-20) figure 5A Y DE 100 27 600 C (AMPHENOL TUCHEL ELECT) 4-6,9-13 22 November 2001 (2001-11-22) the whole document Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 5 January 2005 13/01/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Salojärvi, K Fax: (+31-70) 340-3016

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